**19 February 2015**

MDR Longitudinal Relationship

 (Version 1.01.00)

Future Specification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Originator** | **Para/Tbl/Fig** | **Description of Change** |
| 1.00.00 | 06/29/2007 | J. Hufford | * Whole document
 | * Initial versioning.
 |
| 1.01.00 | 02/19/2015 | J. Hufford | * Table 1
 | * Added T3 Enrollment Site Region
 |

# MHS Data Repository (MDR) TRICARE Longitudinal Relationship File

1. Source

Original enrollment information is captured in the DEERS Online Enrollment System (DOES), and transmitted to EI/DS via the DEERS VSAM MDR 2006 (VM6).

1. Transmission (Format and Frequency)

VM6 beneficiary-level files are processed monthly in the MHS Data Repository, producing many MDR core files; including the MDR TRICARE Relationship File (TRF). The MDR Longitudinal Relationship file is prepared using the completed MDR TRICARE Relationship File of each month, including those created from walked-back or retrofitted data. The format of the MDR TRICARE Relationship file is specified in the MDR VM6 Functional Processing Specification of June 29, 2007.

1. Organization and batching
* MDR TRFs are prepared in the MDR monthly, according to the MDR VM6 Functional Processing Specification referenced above.
* MDR Longitudinal Relationship files are organized into annual files; with each month’s new MDR TRF serving to update or add new information. Once a fiscal year is complete, the corresponding annual MDR Longitudinal Relationship file is not reprocessed (except upon the discovery of data quality issues). The last MDR TRF of a given FY is used to create the initial FY MDR Longitudinal file for the following year.
1. Receiving Filters

Beneficiaries are uniquely identified in the MDR Longitudinal Relationship process by the DEERS Patient ID[[1]](#footnote-1) In preparation for applying each month’s new TRF file to the Longitudinal Relationship file, it is necessary that records with duplicate key values in the MDR TRF be deleted. (Note this deletion is not permanently applied to the MDR TRF; it is only applied to the TRF for the MDR Longitudinal Relationship processing). The first choice for de-duplication is the record whose key matches an existing Longitudinal Relationship record of the same year from the previous month. If none matches or more than one match, the last record read is kept.

1. Field Transformations

None

1. Updating the Master Tables
* Each annual MDR Longitudinal Relationship table contains a record for each beneficiary that has been enrolled in TRICARE Prime, TRICARE Plus, TRICARE Senior Prime or the USFHP Program at any time during a given year, up to the most recent month’s processed data.
* The MDR Longitudinal Relationship annual tables are updated each month using the monthly MDR TRF
* Records are appended to the MDR Longitudinal Relationship table each month for beneficiaries who appear for the first time in the month’s MDR TRF (no existing Longitudinal Relationship record). In this case, MDR Longitudinal Relationship fields are populated directly from content in the MDR TRF.
* Records for beneficiaries in the MDR Longitudinal Relationship table are updated each month; whenever a beneficiary record is in both the MDR Longitudinal Relationship table and the new month’s MDR TRF. The update is accomplished by:
1. adding the new month’s enrollment data (enrollment DMISID and ACV) for the beneficiary to both the current month’s and next month’s ACV and ENR values.
2. updating the demographic fields enrollment region, common beneficiary category, equivalent lives beneficiary group, gender and sponsor service to reflect what is reported in the MDR TRF of the processing month. (Consequently, the demographic data of any prior year Longitudinal Relationship represents the September TRF of that year unless a beneficiary was not enrolled in September.).
3. assigning “lastfm”, indicating the most recent fiscal month for which a beneficiary’s enrollment is reported in the TRF .
* Records for beneficiaries who are in the longitudinal enrollment file but are not in the current month’s MDR TRF. In this case, the update involves “blanking out” the values for the current month for alternate care value, common bencat and enrollment DMISID (these values would have been added prospectively in the last month’s processing of Longitudinal Relationship, as described in step 1 above
* The final processing step in the preparation or update of the TRICARE MDR Longitudinal Relationship file is to sort the file by sponsor social security number, date of birth and gender.
1. File Layout and Content

The table below reflects the fields as they exist in the monthly MDR Longitudinal Relationship files following processing.

**Table 1: MDR Longitudinal Relationship File Layout**

| MDR Longitudinal Relationship Field | SAS Name | MDR TRF Field and Derivation Rules | Format |
| --- | --- | --- | --- |
| DEERS Dependent Suffix2 | DDS | DDS | $2 |
| Enrollment Region | REG | Latest reported (non-empty) value for data element REGION in MDR TRF | $2 |
| Family Sequence ID | FSN | FSN | $1 |
| Sponsor Branch of Service, Aggregated | SVC | Latest reported (non-empty) value for data element SERVICE in MDR TRF | $1 |
| Beneficiary Gender | SEX | Latest reported (non-empty) value for data element GENDER in MDR TRF | $1 |
| Equivalent Lives Beneficiary Group | BCAT | Latest reported (non-empty) value for data element BENCAT in MDR TRF | $6 |
| Sponsor Social Security Number | SPONSSN | SPONSSN | $9 |
| Date of Birth | DOBNEW | DOB | $8 |
| Ben Cat Common | COMBEN | Latest reported (non-empty) value for data element comben in MDR TRF | $1 |
| Patient Identifier | PATUNIQ | PATUNIQ | $10 |
| Ben Cat Common fycm | BENfycm | Derived from COMBEN, FY, and CM. All previous months left unchanged. Current month is blank if no matching record in lates TRF | $1 |
| ACVfycm | ACVfycm | Derived from ACV, FY and CM. All previous months are left unchanged. Current month is blank if no matching record in latest month TRF. | $1 |
| ENRfycm | ENRycm | Derived from ENR, FY and CM All previous months are left unchanged. Current month is blank if no matching record in latest month TRF | $4 |
| Privilege Code | DMEDELG | Latest reported (non-empty) value for data element DMEDELG in MDR TRF | $1 |
| Zip Code | DZIPCD | Latest reported (non-empty) value for data element DZIPCD in MDR TRF | $5 |
| PCM ID | PCMID | Latest reported (non-empty) value for data element PCMID in MDR TRF | $18 |
| Catchment Area ID of Record | DCATCH | Latest reported (non-empty) value for data element DCATCH in MDR TRF | $4 |
| PRISM Area ID of Record | DPRISM | Latest reported (non-empty) value for data element DPRISM in MDR TRF | $4 |
| Filler | N/A – Drop from SAS file | Obsolete Field (FMP), Blank-fill | $2 |
| Fiscal Month (of most recently reported data in MDR enrollment file) | LASTFM | Month of latest reported enrollment data for a given individual | $2 |
| HSSC Enrollment Region | DHSSCREG | Latest reported value for data element DHSSCENR in MDR TRF | $1 |
| Person Association Reason Code | PNARSN | Latest report value for data element PNARSN in MDR TRF | $2 |
| T3 Enrollment Region | DT3ENR | Latest reported value for data element DT3ENR in MDR TRF | $1 |

2Legacy DDS on the raw DEERS VM6 record is populated by source file February 2007 and earlier; it is populated by a merge to the February 2007 MPI file for March 2007 through September 2007, and remain unpopulated for FY 2008 and later.

1. Refresh Frequency

MDR Longitudinal Relationship FY files are refreshed each month until the last month’s TRICARE Enrollment file is incorporated. At that time, MDR Longitudinal Relationship FY files are no longer refreshed, unless a data quality error is discovered.

1. Special Outputs

The MDR Longitudinal Relationship file is used to prepare an extract for the M2.

1. The legacy MDR Longitudinal Relationship process used the sponsor social security number and DEERS Dependent Suffix as a key. [↑](#footnote-ref-1)